

What is claimed is:

1. Coin selecting machine comprising a coin feeder which feeds sequentially coins resting with one of their sides on a flow plane with along the path of the coins there being a selection device comprising in said flow plane sequential apertures for passage of the coins according to their diameter with the coins being dragged over the apertures by means of a powered conveyor belt facing on the flow plane and characterized in that the selection device comprises along a selection path a sequence of pulleys arranged over the apertures in the plane to rest on said belt on its side opposite the one facing the flow plane with the pulleys being spaced from each other in such a manner that each passage for a coin diameter comprises at least one pulley of the plurality and each pulley of the plurality is supported in a rotating manner by its own pin which is in turn supported at a distance from the pulley and allows elastic movement of the pulley such that when no coin passes between the belt and the plane opposite the pulley the pulley has its rotation axis at a first distance from the plane and when a coin passes between the belt and the plane opposite the pulley the axis is pushed against an elastic force to a second and greater distance from the plane and when a coin falls into the underlying aperture for passage the axis returns elastically to said first distance and goes beyond it in the direction of the plane in such a manner as to push the coin into the aperture.
2. Machine in accordance with claim 1 characterized in that with the axis in said first distance from the plane the

pulley impresses a minimal thrust on the belt so that opposite the pulley the belt is virtually in its natural plane.

3. Machine in accordance with claim 1 characterized in that the pin is supported rigidly near one of its ends
5 opposite the pulley and is realized at least partially of elastically flexible material to allow said elastic movement of the pulley.

4. Machine in accordance with claim 1 characterized in that from the flow plane projects beside the apertures a
10 guide along which the coins flow supported on their own peripheral edge.

5. Machine in accordance with claim 4 characterized in that between the guide and the passage apertures the flow plane identifies a peripheral support step for the coins.

15 6. Machine in accordance with claim 4 characterized in that said guide is inclined downward with respect to the horizontal along the direction of movement of the coins.

7. Machine in accordance with claim 6 characterized in that the inclination of the guide is around 30°.

20 8. Machine in accordance with claim 1 characterized in that the flow plane is inclined with respect to the horizontal transversely to the coin movement direction.

9. Machine in accordance with claim 8 characterized in that the inclination of the flow plane is around 60°.

25 10. Machine in accordance with claim 4 characterized in that the belt is inclined with respect to said guide to draw near the guide in the coin dragging direction in such a manner as to supply a thrust component for the coins against the guide.

11. Machine in accordance with claim 1 characterized in that the belt is a belt with round cross section.

12. Machine in accordance with claim 1 characterized in that the belt is an elastic belt of polymers.

5 13. Machine in accordance with claim 1 characterized in that the pulleys of the plurality are spaced from each other by a distance smaller than their diameter.

14. Machine in accordance with claim 1 characterized in that the belt winds on two snub pulleys at the ends of the
10 selection path with the pulley at the end of the path being the one powered for running of the belt.

15. Machine in accordance with claim 1 characterized in that along the path of the coins between the coin feeder and the selection device there are devices for verification
15 of the characteristics of the coins and rejection of coins not meeting predetermined parameters of acceptability of the coins.

16. Machine in accordance with claim 15 characterized in that the verification device detects the characteristics of
20 the selected coins from among diameter, magnetic permeability at several points, thickness, light reflection, profile and position.

17. Machine in accordance with claim 1 characterized in that the coin feeder comprises a powered disk rotating with
25 inclined axis to pick up coins from a container by means of its side projections and release them onto said inclined plane.

18. Machine in accordance with claim 17 characterized in that the projections are in the form of pairs of pins

movable axially and synchronously with the rotation of the disk between a position of conveyance projecting from the side wall of the disk and a position of release retracted into said wall.